Name : Dr. DASARI KALYANI
Designation : Assistant. Professor
Department : IT
Mail.ID : kalyani_d@vnrvjiet.in
Experience (in years): Teaching: 19   Research: 11   Others (If any, Specify): NIL
AICTE Id : 1-2078923149
Date of Birth : 11.09.1979

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	2020	Information Security
2	M.Tech	2009	Computer Science
3	B.Tech	2002	CSE

2. Teaching and Learning:

2.1. Teaching Interests:

Computer Programming, Operating Systems, Network Security, Data Structures, Information Security Management and Standards, Compiler Design, Information Security, Object Oriented Programming, Web Technologies

2.2. Novel Teaching & Learning Techniques adopted:

Role Play activity, POGIL, Group activity, WIT&WIL, Mind map, Learning by doing, Demonstrating with real time examples.

2.3. Involvement in curriculum updating / Design: Involved in curriculum update for the courses like Principles of Information Security, Information Security Lab, Operating Systems, Operating Systems Lab, Information Security Management and standards.

3. Co-curricular and Extra-Curricular Activities:

3.1. Interests and Hobbies: Helping poor children in need, Reading books

3.2. CCA/ECA Organized:

- Coordinated Industrial visit to Incois, Pragathi Nagar, Hyd for IInd year, IT3 students on Feb 2020.
- Coordinated Industrial visit to Incois, Pragathi Nagar, Hyd for 3rd year students on 8th April 2017.
- Organized Technical seminars for 3rd IT, II- Semester students in the AY: 2016-17
- coordinated MNC present working projects awareness program at TCS, Hyd for 3rd year students on 27th September 2016.
- Coordinated Hyderabad's Best Coder Contest for 3rd IT students on 11th January 2016 organized by Being Zero.
- Organized Technical seminars for 3rd IT students in the AY: 2014-15
- Coordinated Industrial visit cum training at Dark Horse, Madhapur, Hyd for 3rd year students in February 2014.

3.3. CCA/ECA participated:

- Exhibited research project Poster in Convergence Open House -2017.
- Exhibited project Poster in Convergence Open House -2016.
- Exhibited research project Poster in Convergence Open House -2015.

3.4. Counseling and Mentoring Activity:

- Guiding and mentoring 18 students of IVth Year, IT3 in academics, projects and other inter/intra competitions and other coding activities since 2020-22.
- Guiding and mentoring 20 students from 2nd Year, IT3 Students, in academics, projects and other inter/intra competitions and other coding contest activities since 2019-20.

- Guiding and mentoring 20 students from 1st Year Students, in academics, projects and other inter/intra competitions and other activities since 2018-19.
- Guiding and mentoring 23 (from 1st Year -9, from IInd Year-4, from IIIrd Year-4, from IVth Year-4, from M.Tech (CNIS)-2) Students, in academics, projects and other inter/intra competitions and activities during 2013-18.

3.5. Committees involved in

Department level:

- Incharge for Second year, IT3 class attendance and session marks 2019-20.
- Incharge for Timetables since Jan 2020- tilldate.
- Incharge for First year, IT3 class attendance and session marks 2018-19.
- Incharge for IVth year class attendance and session marks 2017-18.
- Incharge for Departmental LCD Projectors maintenance during 2013-17.
- 3rd Year, I and II semester Class coordinator & Attendance and Internal Marks Incharge in the academic year 2016-17.
- 2rd Year, I and II semester Class coordinator & Attendance and Internal Marks Incharge in the academic year 2015-16.
- Second Year, I and II semester Class coordinator & Attendance and Internal Marks Incharge in the academic year 2014-15.
- First Year, I and II semester Class coordinator & Attendance and Internal Marks Incharge in the academic year 2013-14.
- PG coordinator in BIET from 2011 to 2013.

Institute Level:

- Incharge for UG-NBA criterion-4 from 2021-22.
- Incharge for PG-NBA criterion-5 from 2019-20
- Incharge for Faculty profile, NBA criterion-4(2016),NAAC-Cr4 in 2018.
- Member of Knowledge Asset since 2018- 2020 and Vignana Deepikalu for 2017-18.
- Member in PG School during 2015-17.
- Departmental results updating to Audit Cell from 2013 to till date.
- Faculty selection technical committee member for BIET in 2012.
- NBA coordinator in BIET from 2012-13.
- NBA coordinator in MRCET in 2010-2012.

4. **Conference / Workshop / Seminar / Guest Lectures:**

4.1 Conducted:

- One Guest Lecture titled "Realtime IT & Agile Methodology" by S L Sneha, SSE, Siemens, Hyd on 23rd Oct, 2021 for II-I B.Tech, IT students.
- One Guest Lecture titled "Information Security and Risk Management on Role" by Mr. Sriramadasu. Gopi Krishna, ISM, TCS, Kolkata for I-II, M. Tech (CNIS) students on 27th March, 2017.
- One Guest Lecture titled "Programming in Oracle with PL/SQL" by Mr. S. Rajesh Kumar, FreeLance Trainer for consultancies-Wipro,L&T on 17th January, 2017 for III-II, B. Tech-IT students.
- One seminar titled "Cyber Security and Ethical Hacking" by Mr. Abdul Hameed Khan, Zoom Technologies for III-I, B. Tech-IT students on 3rd September, 2016.
- One Guest Lecture by Mr. B. Rajendra Prasad Babu, GITAM University on "Cloud Computing-Security Challenges" for I-II, M. Tech (CNIS) students on 9th June,2016.

- Organized One National workshop on "Recent Trends in Mobile Computing and Cloud Security " from 4th May to 6th May 2016.
- One Guest Lecture by Prameela B, Senior Administrator, DST Worldwide services India, Pvt. Ltd on "System Protection and security" to III-II, IT students on 8-11-2014.
- One Guest Lecture by Dr. M Sekhar, Research Scientist, Google, Pvt. Ltd., on " NP-Hard and Np-Complete" on 20-03-2014 to II-II, CSE & IT students.

4.2 Attended:

- Two days Bootcamp on "Blockchain Technology" on 11th and 12th Feb,2022 organized by BPF.
- AICTE Sponsored One-week Online STTP titled " Blockchain and its Applications" organized by HRDC-JNTUH from 4thOct 2021 to 12th Oct,2021.
- Ten days Online workshop on " Cyber Security and Forensics" organized by JNTUH from 30th March, 2021 to 9th April, 2021.
- Workshop on "How to write Proposals" in Feb 2020 organized by Department of H&S, VNRVJIET
- Workshop on "CYBER SECURITY AND INTERNET OF THINGS" from 15th to 17th of June 2017 organized by Department of CSE, JNTUHCEH, Hyderabad.
- Two day summit " National cyber safety & security standards summit'17(VI edition)" hosted by Birla Institute of Technology and Science, Hyderabad campus from 17th to 18th February 2017.
- Two day training program on "IOT and Embedded Systems" by INTEL during 06th -07th Feb 2017.
- FDP on "Foundations of Cryptography" organized by NITW sponsored by E&ICT&ISEA, DeitY, GOI from 19th Dec to 30th Dec'2016.
- FDP on "Sensor Networks and Internet of Things" organized by VNRVJIET&NITW sponsored by E&ICT, DeitY, GOI from 27th Nov to 2nd Dec'2016.
- Two day Workshop "Applications of Computer Networks and security" by Department of CSE under TEQIP-II during Nov 9-10, 2015 at VNRVJIET
- Three day "International Conference on Data Sciences" by Department of CSE &IT under TEQIP-II during Feb 26-28, 2014 at VNRVJIET.
- One day "Faculty Development Program on "Digital Forensics & Information security" on 15th Nov 2013 at VNRVJIET.
- One day "orientation Program engaging New comers(Faculty)"-OPEN(F) under TEQIP-II on 6th July 2013 at VNRVJIET.
- Two-week SDP on "Cloud Computing & Security" under TEQIP-II from 3rd to 15th June 2013 at VNRVJIET.
- Three-day workshop on "Map code" from 27th to 29th May 2013 at VNRVJIET.
- Certification course on "Flex" Fxlearn@campus by Adobe systems India Pvt.Ltd" at MRCET.
- Two- day workshop on "Research Aspects in information Security " held on 6th and 7th December 2012 at JNTUHCE, Hyderabad conducted under TEQIP-II.
- Training Program for the teachers of Engineering colleges sponsored by APSCHE in association with JNTUH organized by BIET during the period 9th to 14th July 2012 on "Linux Programming".

- One day seminar at JNTUHCE, Hyderabad on "Trends in Research and Development-An Academic Perspective" on 22nd August 2009 .
- Three-day workshop on "Embedded Systems" during 28th to 30th August 2008.
- Certification course on "OOAD using the UML with fundamentals of Rational Rose" during 12th to 13th July 2006 by IBM at MRCET

5 Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: NIL

5.2. Articles/Chapters published in Books:

1. Kalyani D., Vijay Kumar P. (2021) Text-Based Handwritten Recognition Through an Image Using Recurrent Neural Network. In: Fong S., Dey N., Joshi A. Lecture Notes in Networks and Systems, vol 154. Springer, Singapore. https://doi.org/10.1007/978-981-15-8354-4_47

2. Dasari Kalyani, Information Security polocies and Procedures guidance for agencies. Chapter 4, In: Impact of digital Transformation on security Policies and standards, IGI Global, 2020, pp. 47-62, DOI: 10.4018/978-1-7998-2367-4.ch004.

3. Revathi A., Kalyani D., Ramasubbareddy S., Govinda K. (2020) Critical Review on Course Recommendation System with Various Similarities. In:

4. Bhateja V., Satapathy S., Satori H. (eds). Advanced in intelligent systems and computing book series, AISC Volume 1076, April 2020.

5. Kalyani, D., Ramasubbareddy, S., Govinda, K., & Kumar, V. (2020). Location-Based Proactive Handoff Mechanism in Mobile Ad Hoc Network. Algorithms for intelligent systems book series (AIS), 2020 (pp. 85-94). Springer, Singapore.

6. D. Kalyani and R. Sridevi, "Private communication based on Hierarchical Identity based cryptography" in Springer book series, Advances in Intelligent Systems and Computing AISC, ISSN: 2194-5357.

5.3. Books published as single author or as editor:

1. Contributed to a book titled "Network Security" as a co-author published by Lulu publishers in April 2019.

5.4. Projects Guided:

a) UG:

- B.Tech Major project titled "Blockchain Based Cryptocurrency (VNR Pay)" is in June 2021. This project is a private cryptographic peer-to-peer version of electronic cash transactions that would allow online payment to be sent directly from one user to other without going through a 3rd party financial institutions like central banks, online

UPI transactions agents like Phone Pay, GPay etc., also called as cryptocurrency and named as VNR Pay.

- Three B.Tech internship projects titled "Post Connection Attacks", "Web Application" and "Cyber Security" in Sept, 2021.
- Two B.Tech internship projects titled "X.509 Certificate with improved transparency using Hyperledger Fabric Blockchain" in Sept, 2020.
- B.Tech Major project titled " Hand writing recognition using sensor networks" in April 2019. This has the ability of the computer to receive and interpret intelligible handwritten input from sources such as paper documents, photographs, touch-screens and other devices.
- B.Tech Major project titled " Heliostat" in April 2017. This portal gives access to the government and hospitals to monitor and alert public about heat waves data collected from sensors with IMD in summer.
- B.Tech Mini project titled "Hill cipher implementation using ECC" in Nov 2016.
- B.Tech Mini project titled "Mentoring App" in November 2016.
- B.Tech Major Project titled "automatic Test Packet Generation" in April 2016.
- B.Tech Project titled "Development of Distributed sales management" as a major project in April, 2015.
- B.Tech Project titled "Implementing RSA signature" as a minor project in Nov, 2015.
- B.Tech Project titled "Implementation of Securing cloud data using RSA" as a minor project in Dec 2014.
- B.Tech Project titled "Search Engine, Optimized Routing algorithm" as a major project in April, 2014.
- B.Tech Project titled "Privacy Preserving public auditing for secure cloud storage" as a major project in April, 2014.

b) PG:

- M.Tech Minor project titled "Remote user authentication protocol for multi server architecture based on ecc" in July 2017.
- M.Tech Major project titled "Short and secure CLS pattern using simple crypto analysis hash techniques" as a major project in 2016.
- M.Tech Major project titled "Sequential and parallel multi signature schemes" as a major project in 2015.

5.5. Research Interests: Information Security, Cryptography and Network security

5.6. Ph.D students:

a) Enrolled: NA

b) Submitted: NA

c) Awarded: NA

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Study of cryptology and its forms in today's secure world	IJARCS, 8-9	0976-5697	5.8	International
2	Survey on identity based and hierarchical identity based encryption schemes	IJCA-134-14	0975-8887	2.3	International
3	Identity Based Encryption and Signature Schemes with	IJASCT-	2229-3515	4.5	International

	Elliptic Curve Cryptosystem Challenges	6-1			
4	Cryptanalysis of Identity Based Certificate less Secure Short Signature Scheme in the Standard Model	IJSETR-5-11	2319-8885	6.6	International
5	Secure and short CLS pattern using simple crypto analysis hash technique	IJCSIS-14-11	1947-5500	0.5	International
6	Secure Encryption Scheme with Key Exchange for Two Server Architecture	IJERCSE-4-11	ISSN(O): 2394-2320	4.89	International

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Secure Encryption scheme with key exchange for two server Architecture	ICASETM-17	National	2-3 Feb'17
2	*Robust distributed Key issuing Protocol for Identity based cryptography*	ICACCI-16	National	21-24 Sep'16
3	A Review on identity based cryptography with its extensions	NCCIA-12	National	9-10 Feb'12
4	Private Communication using Hierarchical Identity Based Cryptography	IEMIS-18	National	23-25 Feb,2018
5	Text-Based Handwritten Recognition Through an Image Using Recurrent Neural Network	ICT4SD-2020	International	July 2020

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	"Identity based short signature scheme without random oracles"	UGC	2 years	3.2 Lakhs	Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
1	Public KIOSK	TCS	Jan,2018	Internship	Completed
2	Heliostat	Altronics	April 2017	Internship	Completed

6. Awards / Honors received: NIL

7. Motto: Hard work results the Best.